Product Data M3 Corpus

Model version: 2

| Overall Width! 650-790 mm (25.5"-31") Stowage length 855 mm (33.5") Stowage height 823 mm (32.5") Weight Including batteries (total mass) 176 kg (388 lb.) Mass of the heaviest part Backrest 7.5 kg (16.5 lb.) Static stability forwards 15° (most), 10° (least) Static stability backwards 15° (most), 10° (least) Static stability backwards 15° (most), 10° (least) Static stability sideways 15° (most), 10° (least) Theoretical continuous driving range² 21 km (5 mi) Theoretical manoeuvring distance range² 8.1 km (5 mi) Dynamic stability forwards on ramp 7.5° Dynamic stability forwards on ramp 7.5° Dynamic stability sideways on ramp 7.5° Dynamic stability sideways while turning suddenly Yes Dynamic stability backwards traversing step forwards 60 mm (2.4") Dynamic stability forwards traversing step backwards 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards and oblique angle down a | | |
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| Stowage length 650-790 mm (25.5"-31") Stowage height 823 mm (32.5") Weight including batteries (total mass) 176 kg (388 lb.) Mass of the heaviest part 8ackrest 7.5 kg (15.5 lb.) Static stability forwards 15" (most), 11" (least) Static stability backwards 15" (most), 11" (least) Static stability backwards 15" (most), 10" (least) Static stability dackwards 15" (most), 14" (least) Theoretical continuous driving range² 29 km (18 m) Theoretical manoeuvring distance range² 81. km (5 mi) Dynamic stability forwards on ramp 7.5" Dynamic stability sideways while turning suddenly Ves Dynamic stability backwards traversing step forwards Dynamic stability backwards traversing step forwards Dynamic stability backwards traversing step forwards Dynamic stability forwards traversing step forwards Dynamic stability forwards traversing step forwards on mm (2.4") Dynamic stability forwards traversing forwards on a step Dynamic stability forwards traversing forwards on a step Dynamic stability forwards traversing step forwards on mm (2.4") Dynamic stability forwards traversing forwards on a step On mm (2.4") Dynamic stability forwards traversing forwards on a step 60 mm (2.4") Dynamic stability forwards traversing forwards on a step 60 mm (2.4") Dynamic stability forwards traversing forwards on a step 60 mm (2.4") Dynamic stability forwards traversing forwards on a step 60 mm (2.4") Dynamic stability forwards traversing forwards on mm (2.4") Dynamic stability forwards traversing forwards on mm (2.4") Dynamic stability forwards traversing forwards on a step 60 mm (2.4") Dynamic stability forwards traversing forwards on a step 60 mm (2.4") Dynamic stability forwards traversing forwards on a step 60 mm (2.4") Dynamic stability forwards traversing forwards on a step 60 mm (2.4") Dynamic stability forwards traversing forwards on a step 60 mm (2.4") Dynamic sta | Overall length | 1016 mm (40") |
| Stowage width 650-790 mr (25.5"-31") Stowage height 823 mm (32.5") Weight including batteries (total mass) 176 kg (388 lb.) Mass of the heaviest part 823 mm (32.5") Static stability forwards 15° (most), 11° (least) Static stability backwards 15° (most), 11° (least) Static stability backwards 15° (most), 14° (least) Static stability sideways 15° (most), 14° (least) Theoretical continuous driving range² 28.1 km (5 mi) Dynamic stability backwards on ramp 7.5° Dynamic stability sideways on ramp 7.5° Dynamic stability sideways on ramp 7.5° Dynamic stability sideways while turning suddenly 7.5° Dynamic stability sideways while turning suddenly 7.5° Dynamic stability forwards traversing step forwards 60 mm (2.4") Dynamic stability backwards traversing step backwards 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing f | Overall width ¹ | |
| Stowage height Weight including batteries (total mass) 176 kg (388 lb.) Mass of the heaviest part Static stability forwards 15° (most), 11° (least) Static stability prowards 15° (most), 11° (least) Static stability sideways 15° (most), 11° (least) Static stability sideways 15° (most), 10° (least) Static stability sideways on ramp 25° 29 km (18 mi) Theoretical manoeuvring distance range² 8.1 km (5 mi) Dynamic stability forwards on ramp 7.5° Dynamic stability forwards on ramp 7.5° Dynamic stability sideways while turning suddenly Yes Dynamic stability backwards traversing step forwards 60 mm (2.4°) Dynamic stability backwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards down a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 mm (2.4°) Dynamic stability forwards traversing forwards up a step 00 | Stowage length | |
| Weight including batteries (total mass) Mass of the heaviest part Static stability forwards Static stability backwards Static stability backwards Static stability backwards Static stability backwards Theoretical continuous driving range² 29 km (18 mi) Theoretical continuous driving range² 29 km (18 mi) Theoretical manoeuvring distance range² 20 mm (2.4") Dynamic stability sideways on ramp 7.5° Dynamic stability forwards traversing step backwards of 0mm (2.4") Dynamic stability forwards traversing forwards up a step 60 mm (2.4") Dynamic stability forwards traversing forwards up a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Maximum obstacle height that can be climbed and descended³ 50 mm (2.4") Maximum speed (forwards an oblique angle down a step 60 mm (2.4") Maximum speed (forwards on horizontal) 10 km/h (6 mph) Minimum braking distance rno maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards 50 mm (2") Maximum speed (forwards on horizontal) 10 km/h (6 mph) 20 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 20 mm (2") 10 km/h (6 mph) 20 mm (6.9 feet), 2.0 m (6.6 feet) 20 mm (2") 20 m (6.6 feet), 2.0 m (6.6 feet) | Stowage width | |
| Mass of the heaviest part Static stability forwards Static stability backwards Static stability backwards Static stability backwards Static stability backwards Static stability sideways on ramp Stability sideways while turning suddenly Stability sideways on ramp Stability sideways while turning suddenly Stability sideways on ramp Stability sideways while turning suddenly Stability sideways whi | Stowage height | |
| Static stability forwards Static stability sideways Theoretical continuous driving range² 29 km (18 mi) Theoretical continuous driving range² 29 km (18 mi) Theoretical manoeuvring distance range² 31. km (5 mi) Dynamic stability backwards on ramp 7.5° Dynamic stability sideways on ramp 7.5° Dynamic stability sideways on ramp 7.5° Dynamic stability sideways while turning suddenly Dynamic stability backwards traversing step backwards 00 mm (2.4") Dynamic stability forwards traversing forwards up a step 00 mm (2.4") Dynamic stability forwards traversing forwards up a step 00 mm (2.4") Dynamic stability forwards traversing forwards down a step 00 mm (2.4") Travelling forwards at an oblique angle down a step 00 mm (2.4") Maximum obstacle height that can be climbed and descended³ 00 mm (2.4") Maximum speed (forwards on horizontal) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards 15°, 11.5° Seat plane angle 15°, 11.5° Seat swidth 15°, 11.5° Seat swidth 15°, 11.5° Seat swidth 15°, 11.5° Seat plane angle 15°, 11.5° Seat plane | Weight including batteries (total mass) | = |
| Static stability backwards 15° (most), 10° (least) Theoretical continuous driving range² 29 km (18 mi) Theoretical manoeuvring distance range² 8.1 km (5 mi) Dynamic stability forwards on ramp 7.5° Dynamic stability forwards on ramp 7.5° Dynamic stability sideways while turning suddenly Dynamic stability sideways while turning suddenly Dynamic stability sideways while turning suddenly Dynamic stability backwards traversing step forwards 60 mm (2.4") Dynamic stability backwards traversing step forwards Dynamic stability backwards traversing step forwards Dynamic stability forwards traversing forwards up a step Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Travelling forwards at an oblique angle down a step 60 mm (2.4") Travelling forwards at an oblique angle down a step 60 mm (2.4") Maximum obstacle height that can be climbed and descended³ 50 mm (2") Maximum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards 51°, 11.5° Seat plane angle Effective seat depth 50° 50° Seat width 40° 50° mm by 50 mm increments (14"-22" by 1" increments) Seat to floor height including cushion (seat surface height at front edge) Backrest height 40° 50° mm (13"-23") 40° 40° 40° 40° 40° 40° 40° 40 | Mass of the heaviest part | Backrest 7.5 kg (16.5 lb.) |
| Static stability sideways Theoretical manoeuvring distance range ² 29 km (18 m) Theoretical manoeuvring distance range ² 8.1 km (5 mi) Dynamic stability backwards on ramp 7.5° Dynamic stability sideways on ramp 7.5° Dynamic stability sideways on ramp 7.5° Dynamic stability sideways while turning suddenly Pynamic stability backwards traversing step forwards 60 mm (2.4") Dynamic stability backwards traversing step forwards 60 mm (2.4") Dynamic stability backwards traversing step backwards 60 mm (2.4") Dynamic stability forwards traversing step backwards 60 mm (2.4") Dynamic stability forwards traversing forwards up a step 60 mm (2.4") Dynamic stability forwards traversing forwards up a step 60 mm (2.4") Dynamic stability forwards traversing forwards up a step 60 mm (2.4") Dynamic stability forwards traversing forwards up a step 60 mm (2.4") Dynamic stability forwards traversing forwards up a step 60 mm (2.4") Dynamic stability forwards traversing forwards up a step 60 mm (2.4") Dynamic stability forwards traversing forwards up a step 60 mm (2.4") Dynamic stability forwards traversing forwards up a step 60 mm (2.4") Dynamic stability forwards traversing forwards up a step 60 mm (2.4") Dynamic stability forwards traversing step backwards 50 mm (2.4") Dynamic stability forwards traversing step backwards 50 mm (2.4") Dynamic stability forwards traversing step backwards 50 mm (2.4") Dynamic stability forwards traversing step backwards 50 mm (2.4") Dynamic stability forwards traversing step backwards 50 mm (2.4") Dynamic stability forwards traversing step backwards 50 mm (2.4") Dynamic stability forwards traversing step backwards 50 mm (2.4") Dynamic stability forwards traversing step backwards 50 mm (2.4") Dynamic stability forwards traversing step backwards 50 mm (2.4") Dynamic stability forwards traversing step backwards 50 mm (2.4") 50 mm (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 20 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 20 m (6.6 feet), 2.0 m (6.6 feet) 20 m (6.6 feet), 2.0 m (6.6 feet) 20 m (| Static stability forwards | 15° (most), 11° (least) |
| Theoretical continuous driving range2 29 km (18 mi) Theoretical manoeuvring distance range2 8.1 km (5 mi) Dynamic stability backwards on ramp 7.5° Dynamic stability forwards on ramp 7.5° Dynamic stability sideways on ramp 7.5° Dynamic stability sideways on ramp 7.5° Dynamic stability sideways on ramp 7.5° Dynamic stability backwards traversing step forwards 60 mm (2.4") Dynamic stability backwards traversing step forwards 60 mm (2.4") Dynamic stability backwards traversing step backwards 60 mm (2.4") Dynamic stability forwards traversing forwards up a step 60 mm (2.4") Dynamic stability forwards traversing forwards down a step 60 mm (2.4") Travelling forwards at an oblique angle down a step 60 mm (2.4") Travelling forwards at an oblique angle down a step 60 mm (2.4") Maximum obstacle height that can be climbed and descended3 50 mm (2.") Maximum speed (forwards on horizontal) 10 km/h (6 mph) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards 15°, 11.5° Seat plane angle 2-20° to 50° Effective seat depth 370–570 mm by 25 mm increments (14"-22" by 1" increments) Seat width 420–570 mm by 25 mm increments (14"-22" by 1" increments) Backrest angle 85°-180° Backrest angle 85°-180° Backrest sheight 480–620 mm (19"-23") Backrest sheight 480–620 mm (19"-23") Backrest sto seat distance (250 mm by 25 mm increments (19"-24" by 1" increments) Pootrest to seat distance (250 mm by 25 mm increments (19"-24" by 1" increments) Pootrest to seat distance (250 mm by 25 mm increments (19"-24" by 1" increments) Pootrest to seat distance (250 mm by 25 mm increments (19"-24" by 1" increments) Backrest angle 85°-180° Backrest angle 85°-180° Backrest distance (100 mm (19"-23") Ba | Static stability backwards | 15° (most), 10° (least) |
| Theoretical manoeuvring distance range ² B. 1 km (5 mi) Dynamic stability backwards on ramp 7.5° Dynamic stability sideways while turning suddenly Yes Dynamic stability backwards traversing step forwards Dynamic stability backwards traversing step backwards 60 mm (2.4") Dynamic stability forwards traversing forwards up a step Dynamic stability forwards at an oblique angle down a step 60 mm (2.4") Travelling forwards at an oblique angle down a step 60 mm (2.4") Maximum obstacle height that can be climbed and descended ³ 50 mm (2") Maximum speed (forwards on horizontal) 10 km/h (6 mph) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards 15°, 11.5° Seat plane angle Effective seat depth 370-570 mm by 25 mm increments (14"-22" by 1" increments) Seat width 420-570 mm by 50 mm increments (17"-23" by 2" increments) Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest angle Backrest angle Backrest angle Backrest distance 180-260 mm by 25 mm increments (19"-24" by 1" increments) 180-260 mm (7"-35") 180-260 mm (7"-32") 180-260 mm (7"-10") Front armrest-to-backrest distance 1100 mm (43") 1100 mm (43") 1100 mm (43") Required width of angled corridor Required width of angled corridor 1100 mm (45") | Static stability sideways | 15° (most), 14° (least) |
| Dynamic stability backwards on ramp Dynamic stability forwards on ramp Dynamic stability sideways on ramp Dynamic stability sideways while turning suddenly Dynamic stability backwards traversing step forwards Dynamic stability backwards traversing step forwards Dynamic stability backwards traversing step backwards Dynamic stability backwards traversing step backwards Dynamic stability forwards traversing step backwards Dynamic stability forwards traversing forwards up a step Dynamic stability forwards traversing forwards down a step Dynamic stability forwards me (2.4") Dynamic stability forwar | Theoretical continuous driving range ² | 29 km (18 mi) |
| Dynamic stability forwards on ramp Dynamic stability sideways on ramp Dynamic stability sideways on ramp Dynamic stability sideways while turning suddenly Dynamic stability backwards traversing step forwards Dynamic stability backwards traversing step backwards Dynamic stability backwards traversing step backwards Dynamic stability forwards traversing forwards up a step Dynamic stability forwards traversing forwards up a step Dynamic stability forwards traversing forwards down a step Dynamic stability forwards at an oblique angle down a step Maximum obstacle height that can be climbed and descended³ Dynamic stability forwards on horizontal) Maximum speed (forwards on horizontal) Maximum speed (forwards on horizontal) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards Seat plane angle Effective seat depth 370-570 mm by 25 mm increments (14"-22" by 1" increments) Seat width 420-570 mm by 50 mm increments (14"-22" by 1" increments) Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest height 480-620 mm by 25 mm increments (19"-24" by 1" increments) Footrest to seat distance 330-590 mm (13"-23") Leg to seat surface angle Porent armrest-to-backrest distance 130-240 mm (5"-16") Minimum turning diameter 1120 mm (44") Pivot width 1100 mm (43") Ground clearance with user weight 80 mm (3") Required doorway entry depth 1140 mm (45") | Theoretical manoeuvring distance range ² | 8.1 km (5 mi) |
| Dynamic stability sideways on ramp Dynamic stability sideways while turning suddenly Dynamic stability backwards traversing step forwards Dynamic stability backwards traversing step backwards Dynamic stability forwards traversing forwards up a step Dynamic stability forwards traversing forwards up a step Dynamic stability forwards traversing forwards down a step Omm (2.4") Travelling forwards at an oblique angle down a step Maximum obstacle height that can be climbed and descended ³ So mm (2") Maximum speed (forwards on horizontal) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards Seat plane angle Effective seat depth 370-570 mm by 25 mm increments (14"-22" by 1" increments) Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest height 480-620 mm by 25 mm increments (19"-24" by 1" increments) Footrest to seat distance 330-590 mm (13"-23") Backrest to seat distance 480-620 mm by 25 mm increments (19"-24" by 1" increments) Footrest to seat distance 90°-180° Armrest to seat distance (armrest height) 180-260 mm (7"-10") Front armrest-to-backrest distance 1120 mm (44") Pivot width 1100 mm (43") Ground clearance with user weight 80 mm (3") Required width of angled corridor Required width of angled corridor Required doorway entry depth | Dynamic stability backwards on ramp | 7.5° |
| Dynamic stability sideways while turning suddenly Dynamic stability backwards traversing step forwards Dynamic stability backwards traversing step backwards Dynamic stability forwards traversing step backwards Dynamic stability forwards traversing forwards up a step Dynamic stability forwards traversing forwards up a step Dynamic stability forwards traversing forwards down a step Dynamic stability forwards traversing forwards down a step Effective sed (forwards on horizontal) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards Seat plane angle Effective seat depth Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest height 480–820 mm by 25 mm increments (19"–24" by 1" increments) Footrest to seat distance Backrest to seat distance Soe at grace angle Poor 180 Backrest to seat distance Backrest to seat distance (amrest height) Front armrest-to-backrest distance Minimum turning diameter Fivot width Ground clearance with user weight Required doorway entry depth 1140 mm (45") Required doorway entry depth Poor width Required doorway entry depth Poor width 1140 mm (45") Backing Alexands Bo mm (2.4") Bo mm (2.5") Bo mm (2.4") Bo mm (3.5") Required doorway entry depth | Dynamic stability forwards on ramp | 7.5° |
| Dynamic stability backwards traversing step forwards Dynamic stability backwards traversing step backwards Dynamic stability forwards traversing forwards up a step Dynamic stability forwards traversing forwards down a step Travelling forwards at an oblique angle down a step For maximum obstacle height that can be climbed and descended3 Maximum obstacle height that can be climbed and descended3 Maximum speed (forwards on horizontal) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards Seat plane angle Ffective seat depth Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest angle Backrest height A80-620 mm by 25 mm increments (19"-24" by 1" increments) Footrest to seat distance Leg to seat distance (armest height) Front armrest-to-backrest distance 120-410 mm (7"-10") Front armrest-to-backrest distance Minimum turning diameter 1120 mm (44") Required width of angled corridor Required doorway entry depth 1140 mm (45") 160 mm (2.4") 60 mm (2.4") 61 mu (2.4") | Dynamic stability sideways on ramp | 7.5° |
| Dynamic stability backwards traversing step backwards Dynamic stability forwards traversing forwards up a step Dynamic stability forwards traversing forwards down a step Dynamic stability forwards traversing forwards down a step Dynamic stability forwards traversing forwards down a step Om mr (2.4") Maximum obstacle height that can be climbed and descended ³ Dynamic stability forwards on horizontal) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards Seat plane angle Effective seat depth Seat width Seat width Seat width Seat of loor height including cushion (seat surface height at front edge) Backrest angle Backrest height Abo-620 mm by 25 mm increments (17"-23" by 2" increments) Seat ufface angle Backrest surface angle Backrest to seat distance Seat oseat distance (armrest height) Front armrest-to-backrest distance 120-410 mm (5"-16") Minimum turning diameter Flort width Ground clearance with user weight Required doorway entry depth 1140 mm (45") 1140 mm (45") 1140 mm (45") 1140 mm (45") | Dynamic stability sideways while turning suddenly | Yes |
| Dynamic stability forwards traversing forwards up a step Dynamic stability forwards traversing forwards down a step Dynamic stability forwards traversing forwards down a step Fravelling forwards at an oblique angle down a step Maximum obstacle height that can be climbed and descended³ Maximum speed (forwards on horizontal) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards Seat plane angle Effective seat depth Seat width Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest height Backrest height Backrest to seat distance Leg to seat distance Leg to seat distance (armrest height) Front armrest-to-backrest distance Minimum turning diameter Fivolv width Ground clearance with user weight Required doorway entry depth 60 mm (2.4") 60 mm (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 60 mm (2.4") 60 mm (6.6 feet), 2.0 m (6.6 feet) 60 mm (2.4") 60 mm (6.6 feet), 2.0 m (6.6 feet) 60 mm (2.4") 60 mm (2.4") 61 mm (4.4") 61 mm (4. | Dynamic stability backwards traversing step forwards | 60 mm (2.4") |
| Dynamic stability forwards traversing forwards down a step Travelling forwards at an oblique angle down a step Maximum obstacle height that can be climbed and descended³ So mm (2.") Maximum ospeed (forwards on horizontal) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards Seat plane angle Fffective seat depth Seat vidth Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest height Footrest to seat distance Leg to seat distance Armest to seat distance (armrest height) Front armrest-to-backrest distance Minimum turning diameter Pivot width Required doorway entry depth 1140 mm (45") 60 mm (2.4") | Dynamic stability backwards traversing step backwards | 60 mm (2.4") |
| Travelling forwards at an oblique angle down a step Maximum obstacle height that can be climbed and descended³ Maximum speed (forwards on horizontal) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards Seat plane angle Effective seat depth Seat width Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest height Footrest to seat distance Leg to seat surface angle Armrest to seat distance (armrest height) Front armrest-to-backrest distance Minimum turning diameter Pivot width Ground clearance with user weight Required doorway entry depth 60 mm (2.4") 50 mm (2.4") 10 km/h (6 mph) 2.0 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 90 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 90 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 90 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 90 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 90 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 90 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 90 m (6.6 feet), 2.0 m (6.6 | Dynamic stability forwards traversing forwards up a step | 60 mm (2.4") |
| Maximum obstacle height that can be climbed and descended ³ 50 mm (2") Maximum speed (forwards on horizontal) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards Seat plane angle Effective seat depth Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest height Footrest to seat distance Leg to seat surface angle Armrest to seat distance (armrest height) Front armrest-to-backrest distance Minimum turning diameter Pivot width Ground clearance with user weight Required doorway entry depth Maximum ostacle height that can be climbed and descended ³ 50 mm (2") 10 km/h (6 mph) 2.0 m (6.6 feet), 2.0 m (6.6 feet) 2.0 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 2.0 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 2.0 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 2.0 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 2.0 m (6.6 feet), 2.0 m (6.6 feet) 2.0 m (6.6 feet), 2.0 m (6.6 feet) 2.0 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) 3.0 m (2") 85°-180° 85°-180° 85°-180° 85°-180° 85°-180° 85°-180° 85°-180° 80°-180° 130°-90 mm (13"-23") 1400 mm (5"-10") 150°-180° 150°-180° 170°-24" by 1" increments (17"-22" by 2" increments) 170°-24" by 1" increments (17"-23" by 2" increments) 180°-80 mm (7"-10") 180°-80 mm (7"-10") 180°-90 mm (| Dynamic stability forwards traversing forwards down a step | 60 mm (2.4") |
| Maximum speed (forwards on horizontal) Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards Seat plane angle Ffective seat depth Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest height Footrest to seat distance Backrest oseat distance Backrest to seat distance Backrest height Front armrest to seat distance (armrest height) Front armrest-to-backrest distance Minimum turning diameter Pivot width Ground clearance with user weight Required doorway entry depth 110 km/h (6 mph) 2.0 m (6.6 feet), 2.0 m (6.6 feet) 4.0 m (6.6 feet), 2.0 m (6.6 feet) 4.0 m (14"-22" by 1" increments) 4.0 m (19"-35") 8.0 mm (3") Required doorway entry depth | Travelling forwards at an oblique angle down a step | 60 mm (2.4") |
| Minimum braking distance from maximum speed (normal, reverse, and emergency) Parking brakes, maximum slope backwards and forwards Seat plane angle Effective seat depth Seat width 420–570 mm by 25 mm increments (14"–22" by 1" increments) Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest angle Backrest height 480–620 mm by 25 mm increments (17"–23" by 2" increments) Footrest to seat distance Backrest distance Backrest oseat distance Backrest oseat distance 120–4180° Front armrest to seat distance (armrest height) Front armrest-to-backrest distance 120–410 mm (5"–16") Minimum turning diameter 1120 mm (44") Pivot width Ground clearance with user weight Required width of angled corridor Required doorway entry depth 1140 mm (45") Required doorway entry depth | Maximum obstacle height that can be climbed and descended ³ | 50 mm (2") |
| emergency) Parking brakes, maximum slope backwards and forwards Seat plane angle Effective seat depth 370–570 mm by 25 mm increments (14"–22" by 1" increments) Seat width 420–570 mm by 50 mm increments (17"–23" by 2" increments) Seat to floor height including cushion (seat surface height at front edge) Backrest angle 85°–180° Backrest height 480–620 mm by 25 mm increments (19"–24" by 1" increments) Footrest to seat distance 130–590 mm (13"–23") Leg to seat surface angle Armrest to seat distance (armrest height) Front armrest-to-backrest distance 120–410 mm (5"–16") Minimum turning diameter 1120 mm (44") Pivot width Ground clearance with user weight Required width of angled corridor Required doorway entry depth 1140 mm (45") | Maximum speed (forwards on horizontal) | 10 km/h (6 mph) |
| Seat plane angle Effective seat depth 370–570 mm by 25 mm increments (14"–22" by 1" increments) Seat width 420–570 mm by 50 mm increments (17"–23" by 2" increments) Seat to floor height including cushion (seat surface height at front edge) Backrest angle 85°–180° Backrest height 480–620 mm by 25 mm increments (19"–24" by 1" increments) Footrest to seat distance 330–590 mm (13"–23") Leg to seat surface angle Armrest to seat distance (armrest height) Front armrest-to-backrest distance 120–410 mm (5"–16") Minimum turning diameter 1120 mm (44") Pivot width Ground clearance with user weight 80 mm (3") Required width of angled corridor 830 mm (33") Required doorway entry depth | Minimum braking distance from maximum speed (normal, reverse, and emergency) | 2.0 m (6.6 feet), 2.0 m (6.6 feet), 2.0 m (6.6 feet) |
| Effective seat depth Seat width Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest height Backrest distance Backrest to seat distance Armrest to seat distance (armrest height) Front armrest-to-backrest distance Minimum turning diameter Pivot width Ground clearance with user weight Required doorway entry depth 370–570 mm by 25 mm increments (17"–23" by 2" increments) 490–880 mm (19"–35") 490–800 mm (19"–30") 490–800 m | Parking brakes, maximum slope backwards and forwards | 15°, 11.5° |
| Seat width 420–570 mm by 50 mm increments (17"–23" by 2" increments) Seat to floor height including cushion (seat surface height at front edge) 490–880 mm (19"–35") Backrest angle 85°–180° Backrest height 480–620 mm by 25 mm increments (19"–24" by 1" increments) Footrest to seat distance 330–590 mm (13"–23") Leg to seat surface angle 90°–180° Armrest to seat distance (armrest height) 180–260 mm (7"–10") Front armrest-to-backrest distance 120–410 mm (5"–16") Minimum turning diameter 1120 mm (44") Pivot width 1100 mm (43") Ground clearance with user weight 80 mm (3") Required width of angled corridor 830 mm (35") Required doorway entry depth 1140 mm (45") | Seat plane angle | -20° to 50° |
| Seat to floor height including cushion (seat surface height at front edge) Backrest angle Backrest height 480–620 mm by 25 mm increments (19"–24" by 1" increments) Footrest to seat distance 330–590 mm (13"–23") Leg to seat surface angle 90°–180° Armrest to seat distance (armrest height) 180–260 mm (7"–10") Front armrest-to-backrest distance 120–410 mm (5"–16") Minimum turning diameter 1120 mm (44") Pivot width Ground clearance with user weight 80 mm (3") Required width of angled corridor Required doorway entry depth 490–880 mm (19"–35") 80 mm (19"–35") | Effective seat depth | 370–570 mm by 25 mm increments (14"–22" by 1" increments) |
| Backrest angle Backrest height 480–620 mm by 25 mm increments (19"–24" by 1" increments) Footrest to seat distance 330–590 mm (13"–23") Leg to seat surface angle 90°–180° Armrest to seat distance (armrest height) 180–260 mm (7"–10") Front armrest-to-backrest distance 120–410 mm (5"–16") Minimum turning diameter 1120 mm (44") Pivot width Ground clearance with user weight 80 mm (3") Required width of angled corridor 830 mm (33") Required doorway entry depth 1140 mm (45") | Seat width | 420–570 mm by 50 mm increments (17"–23" by 2" increments) |
| Backrest height 480–620 mm by 25 mm increments (19"–24" by 1" increments) 330–590 mm (13"–23") Leg to seat surface angle 90°–180° Armrest to seat distance (armrest height) 180–260 mm (7"–10") Front armrest-to-backrest distance 120–410 mm (5"–16") Minimum turning diameter 1120 mm (44") Pivot width 1100 mm (43") Ground clearance with user weight 80 mm (3") Required width of angled corridor 830 mm (33") Required doorway entry depth 1140 mm (45") | Seat to floor height including cushion (seat surface height at front edge) | 490-880 mm (19"-35") |
| Footrest to seat distance 330–590 mm (13"–23") Leg to seat surface angle 90°–180° Armrest to seat distance (armrest height) 180–260 mm (7"–10") Front armrest-to-backrest distance 120–410 mm (5"–16") Minimum turning diameter 1120 mm (44") Pivot width 1100 mm (43") Ground clearance with user weight 80 mm (3") Required width of angled corridor 830 mm (33") Required doorway entry depth 1140 mm (45") | Backrest angle | 85°-180° |
| Leg to seat surface angle 90°-180° Armrest to seat distance (armrest height) 180-260 mm (7"-10") Front armrest-to-backrest distance 120-410 mm (5"-16") Minimum turning diameter 1120 mm (44") Pivot width 1100 mm (43") Ground clearance with user weight 80 mm (3") Required width of angled corridor 830 mm (33") Required doorway entry depth 1140 mm (45") | Backrest height | 480–620 mm by 25 mm increments (19"–24" by 1" increments) |
| Armrest to seat distance (armrest height) Front armrest-to-backrest distance Minimum turning diameter Pivot width Ground clearance with user weight Required width of angled corridor Required doorway entry depth 180–260 mm (7"–10") 120–410 mm (5"–16") 1120 mm (44") 1100 mm (43") 80 mm (3") 830 mm (3") 1140 mm (45") | Footrest to seat distance | |
| Front armrest-to-backrest distance 120–410 mm (5"–16") Minimum turning diameter 1120 mm (44") Pivot width 1100 mm (43") Ground clearance with user weight 80 mm (3") Required width of angled corridor 830 mm (33") Required doorway entry depth 1140 mm (45") | Leg to seat surface angle | 90°-180° |
| Minimum turning diameter 1120 mm (44") Pivot width 1100 mm (43") Ground clearance with user weight 80 mm (3") Required width of angled corridor 830 mm (33") Required doorway entry depth 1140 mm (45") | Armrest to seat distance (armrest height) | |
| Pivot width 1100 mm (43") Ground clearance with user weight 80 mm (3") Required width of angled corridor 830 mm (33") Required doorway entry depth 1140 mm (45") | Front armrest-to-backrest distance | |
| Ground clearance with user weight 80 mm (3") Required width of angled corridor 830 mm (33") Required doorway entry depth 1140 mm (45") | Minimum turning diameter | |
| Required width of angled corridor Required doorway entry depth 1140 mm (45") | Pivot width | |
| Required doorway entry depth 1140 mm (45") | Ground clearance with user weight | |
| | Required width of angled corridor | |
| Required corridor width for side opening entering the corridor 700 mm (28") | Required doorway entry depth | · · |
| | Required corridor width for side opening entering the corridor | 700 mm (28") |

- 1. Based on the joystick module being in the forward position.
- 2. Actual driving range will vary based on driving conditions, battery conditions, and terrain.
- 3. The maximum obstacle height that can be climbed and descended is tested with maximum user weight.

The wheelchair conforms to the following standards:

- **a.** requirements and test methods for static, impact and fatigue strengths (ISO 7176-8:1998)
- b. power and control systems for electric wheelchairs requirements and test methods (ISO 7176-14:2008)
- c. climatic test in accordance with ISO 7176-9:2009
- **d.** requirements for resistance to ignition in accordance with ISO 7176-16:2012
- requirements and test methods for electromagnetic compatibility of electrically powered wheelchairs and scooters, and battery chargers (ISO 7176-21:2009)
- **f.** batteries and chargers for powered wheelchairs (7176-25:2013).
 - The above standards comprise both sitting and stand-up position for the wheelchair when applicable.



Product Data M3 Corpus

| Wheels | |
|----------------------------------|--------------------|
| Tyre types for the drive wheels | Air/Solid |
| Drive wheel tyre dimensions | 3.00-8" |
| Tyre types for the castor wheels | Solid |
| Castor wheel tyre dimensions | 2.50-3" (180 x 65) |
| Recommended tyre pressure | 250 kPa (35 psi) |

| Batteries | |
|----------------------------------|--|
| Battery type and nominal voltage | Sealed lead acid, 2 x 12 V, group 34; Sealed lead acid, 2 x 12 V, group 24 |
| Battery cycle life | 450 cycles |
| Battery capacity (C20) | 65 Ah |

| Miscellaneous | |
|--|---|
| Maximum user weight | 150 kg (330 lb.) |
| Mass of test dummy used in test ¹ | 150 kg (330 lb.) |
| Occupant mass group | III |
| Overall height | 960–1170 mm (38"–46") |
| Armrest length | 260, 335, 410, 460 mm (10", 13", 16", 18") |
| Backrest height without cushion | 470, 545–670 mm by 25 mm increments (18.5", 21.5"–26.5" by 1" increments) |
| Backrest width | 360–510 mm by 50 mm increments (14"–20" by 2" increments) |
| Seat to floor height without cushion | 450–750 mm (18"–30") |
| Wheelchair class | В |
| Wheelchair group | Group 3 |
| Drive electronics | R-net PM 120 |
| Storage environmental specification | −40°C to 65°C (−40°F to 149°F), IPX4 |
| Operation environmental specification | −25°C to 50°C (−13°F to 122°F), IPX4 |
| Force necessary to operate joystick and key pad switches | 2 N |
| Maximum obstacle height that can be climbed and descended (approach distance 50 cm $[20'']$) ² | 75 mm (3") |
| Ability to climb rated slope | 6° |

- The mass can vary depending on the test. For specific weight information, see the standard in question. The maximum obstacle height that can be climbed and descended is tested with maximum user weight.

| ConnectMe | |
|--------------------------------------|--|
| GSM | E-GSM 900, DCS 1800 |
| UMTS | RF band B1, B8 |
| LTE | CAT-1, RF band B1, B3, B7, B8, B20, B28 |
| Network antenna | Internal |
| Connectivity | Bluetooth 4.1 |
| Connectivity antenna | Internal |
| GNSS | GPS, GLONASS, Galileo, BeiDou |
| GNSS antenna | Internal |
| Dimensions (length x width x height) | $85 \times 48 \times 19$ mm excluding cable (3.3" x 1.9" x 0.7" excluding cable) |
| Cable length | 1000 mm (39") |
| External connector | 6-pin MODU, 4-pin R-net |
| Weight | 0.06 kg / 0.14 kg including cable (0.13 lb. / 0.32 lb. including cable) |
| Power operation | 24 VDC, max = 430 mA, lavg = 60 mA |
| Standby | 24 VDC, max 0.5 mA |
| Main fuse | 500 mA |
| Maximum radio frequency power | EGSM-900 (GMSK): +33dBm, EGSM-900 (8PSK): +27dBm, DCS1800 (GMSK): +30dBm, DCS1800 (8PSK): +26dBm, UMTS: +23dBm, LTE: +23dBm, 2.4Ghz Bluetooth: +4dBm |

The specifications in this product data sheet are for the tested configuration. Please contact Permobil Customer Support for configuration options and details.

